This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21!

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 33-R-0113

CUSTOMER NUMBER: 707

FORM APPROVED
OMB NO. 0579-0036

Southern Illinois University School Of Medicine
Division Of Lab Animal Med
825 N Rutledge St Po Box 19611
Springfield, IL 62794

Telephone: (217) -545-3053

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY **(Attach additional sheets if necessarv or use APHIS Form 7023A)**

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use o pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	4	49	13	6	72
7. Hamsters					
8. Rabbits		2	7	1	10
9. Non-human Primates					
10. Sheep					
11. Pigs			11		11
12. Other Farm Animals					
13. Other Animals					
Chinchillas			4	30	34

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). **A summary of all such exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNA (b)(6), (6)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL *(Type or Print)* (b)(6), (6)(7)(C)

DATE SIGNED 11-20-07

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Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 33-R-0113

2. Number 6 of animals used in this study.

3. Species (common name) Guinea Pigs of animals used in the study.

4. Explain the procedure producing pain and/or distress.

The animals were part of a study examining the protective effects of a test article following exposure of the animals to a known ototoxic agent. The ototoxic agent was administered in relatively high dosages to ensure damage to the ear. The six animals that received the high dosage died from the acute systemic toxicity effects of the agent after receiving multiple doses.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

The animals were not treated for the systemic toxic effects because the effects occurred acutely and there was insufficient time for veterinary intervention prior to death. No clinical signs occurred prior to the acute signs so susceptible animals could not be identified. Subsequent animals received lower dosages of the ototoxic agent.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency_____ CFR_____

Not applicable

Column E Explanation

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1. Registration Number: 33-R-0113

2. Number 1 of animals used in this study.

3. Species (common name) Rabbit of animals used in the study.

4. Explain the procedure producing pain and/or distress.

The animal was part of a study examining the utility of a new medical device for use in the surgical anastomosis of blood vessels following reconstructive surgery. The surgery was performed appropriately with anesthesia, postopanalgesia, and in surgery suite. The animal was recovered and placed in its cage but was found dead the next morning due to dehiscence of the anastomosis.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

No intervention was given because dehiscence of the anastomosis was not anticipated and no problems were noted prior to the animal being returned to its cage for the night. Distress may have occurred prior to death. Analgesia was administered post operatively so pain was unlikely.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency _____ CFR _____

Not applicable

Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 33-R-0113

2. Number 30 of animals used in this study.

3. Species (common name) Chinchillas of animals used in the study.

4. Explain the procedure producing pain and/or distress.

   Animals were subjected to noise exposure in a sound booth. The noise exposure was of 6 hours duration with the noise centered at 4 kHz and generated by a TDTGNS 40x white noise generator. Each animal was exposed to the noise at a level of 105 dB SPL for 6 hours.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

   The chinchillas experienced noise exposure. Sedation was not used because levels of sedation cannot be adequately monitored during the noise exposure without violating the chamber and thus the exposure. In addition, as this study was a continuation of previous work where sedation was not used, the ability to make scientific comparisons would be jeopardized by the addition of a new variable. The noise exposure at a level of 105dB was considered possibly unpleasant but not so distressing as to warrant the risks associated with sedation. This model mimics the human model in which humans exposed to this level of noise do not receive sedatives.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

   Agency _____ CFR _____

   Not applicable